

## EAST Search History

| Ref # | Hits    | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|---------|---|---|------------------|---------|------------------|
| L10   | 1       | (US-6001461-\$).did.  | USPAT   | OR               | ON      | 2008/11/09 22:03 |
| L11   | 1       | (US-6136682-\$).did.  | USPAT   | OR               | ON      | 2008/11/09 22:03 |
| L12   | 1       | "10674853".rlan. or ("10".src. and "674853".ap.)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT                                | OR               | ON      | 2008/11/09 22:03 |
| L13   | 6801797 | @ad> "20030928"<br>@rlad> "20030928"<br>@pt1d> "20030928"   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR               | ON      | 2008/11/09 22:03 |
| L14   | 100371  | (tantalum ta) with ((copper cu) (scandium sc) (yttrium y) (lanthanum la)) not L13   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/11/09 22:03 |
| L15   | 1       | (US-6570325-\$).did.  | USPAT   | OR               | ON      | 2008/11/09 22:03 |
| L16   | 25      | ((("5,629,389") or<br>("5,747,182") or<br>("5,844,363") or<br>("5,872,355") or<br>("5,902,688") or<br>("5,948,552") or<br>("5,260,095") or<br>("5,395,644") or<br>("5,547,508") or<br>("5,691,615") or<br>("5,902,641") or<br>("5,440,446") or<br>("5,725,909") or<br>("5,440,446") or<br>("5,725,909"))).PN.                             | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2008/11/09 22:03 |
| L17   | 47      | ("20020096768"  <br>"20030057445"  <br>"20030075752"  <br>"20030118798"  <br>"20030227068"  <br>"20040026119"  <br>"20050147877"   "4965656"<br>  "5108846"   "5369300"  <br>"5506449"   "5899740"  <br>"6057237"   "6086947"  <br>"6136682"   "6181012"  <br>"6194310"   "6194754"  <br>"6297153"   "6482734"  <br>"6573179"   "6610549" | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR               | ON      | 2008/11/09 22:04 |

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|     |         | "6828189"   "6890852").PN.   |   |    |    |                     |
| L18 | 8       | amorphous adj materials adj laminated  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON | 2008/11/09<br>22:04 |
| L19 | 28      | perovskite adj type adj oxide with amorphous with dielectric                                   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON | 2008/11/09<br>22:04 |
| L20 | 33      | "TiB.sub.2" with nitride with dielectric   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON | 2008/11/09<br>22:04 |
| L21 | 2       | amorphous and L20  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON | 2008/11/09<br>22:04 |
| L22 | 6801797 | @ad> "20030928"<br>@rlad> "20030928"<br>@pt1d> "20030928"                                      | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON | 2008/11/09<br>22:04 |
| L23 | 1       | (US-6001461-\$).did.   | USPAT   | OR | ON | 2008/11/09<br>22:04 |
| L24 | 1       | (US-6001461-\$).did.   | USPAT   | OR | ON | 2008/11/09<br>22:04 |
| L25 | 1       | ((tantalum ta) (copper cu) (scandium sc) (yttrium y) (lanthanum la)) and L24                   | USPAT   | OR | ON | 2008/11/09<br>22:04 |
| L26 | 1777    | (tantalum ta) with (copper cu) with (scandium sc) with (yttrium y) with (lanthanum la) not L13 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/09<br>22:04 |
| L27 | 6       | barrier with L26   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/09<br>22:04 |
| L28 | 139     | L26 with layer   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/09<br>22:04 |

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| L29 | 18 | amorphous\$ with L26   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/09<br>22:04 |
| L30 | 0  | alternating with L26   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/09<br>22:04 |
| L31 | 6  | stack\$5 with L26  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/09<br>22:04 |
| L32 | 1  | "10674853".rlan. or ("10".<br>src. and "674853".ap.)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT                                | OR | ON | 2008/11/09<br>22:04 |
| L33 | 0  | amorphous\$ with (copper cu)<br>and L32  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/09<br>22:04 |
| L34 | 1  | (copper cu) and L32  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/09<br>22:04 |
| L35 | 1  | amorphous\$ and L32  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/09<br>22:04 |
| L36 | 10 | atomic adj lamin\$5 not L13  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/09<br>22:04 |
| L37 | 78 | atomic with (tantalum ta)<br>with (copper cu) with<br>(scandium sc) with (yttrium<br>y) with (lanthanum la) not<br>L13 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/09<br>22:04 |

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| L38 | 8738   | atomic\$5 adj (layer lamin<br>film thin thick) not L13   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/09<br>22:04 |
| L39 | 1      | (tantalum ta) and L36  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/09<br>22:04 |
| L40 | 35     | L26 and L38  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/09<br>22:04 |
| L41 | 1294   | (tantalum ta) with ((copper<br>cu) (scandium sc) (yttrium y)<br>(lanthanum la)) with alternat<br>\$5 not L13               | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/09<br>22:04 |
| L42 | 40     | L38 and L41  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/09<br>22:04 |
| L43 | 314    | (tantalum ta) with ((copper<br>cu) (scandium sc) (yttrium y)<br>(lanthanum la)) with<br>(alternate alternating) not<br>L13 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/09<br>22:04 |
| L44 | 4      | L38 and L43  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/09<br>22:04 |
| L45 | 282768 | (amorphous\$ non\$1crystal\$<br>non adj crystal\$) not L13   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/09<br>22:04 |
| L46 | 3      | L43 with L45   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/09<br>22:04 |

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| L47 | 2    | ("6057237").PN.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/11/09<br>22:04 |
| L48 | 2    | L14 and L47  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/09<br>22:04 |
| L49 | 9    | thin with (tantalum ta) with<br>((copper cu) (scandium sc)<br>(yttrium y) (lanthanum la))<br>with (alternate alternating)<br>not L13 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/09<br>22:04 |
| L50 | 50   | barrier and L43  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/09<br>22:04 |
| L51 | 150  | L38 with L14   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/09<br>22:04 |
| L52 | 3797 | (tantalum ta) with ((copper<br>cu) (scandium sc) (yttrium y)<br>(lanthanum la)) with barrier<br>not L13                              | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/09<br>22:04 |
| L53 | 332  | L52 and L38  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/09<br>22:04 |
| L54 | 260  | L53 not L51  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/09<br>22:04 |
| L55 | 292  | (tantalum ta) with<br>((scandium sc) (yttrium y)<br>(lanthanum la)) with barrier<br>not L13  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/09<br>22:04 |

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| L56 | 33  | L55 and L38   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/09<br>22:04 |
| L57 | 2   | ("5,824,599").PN.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/11/09<br>22:04 |
| L58 | 16  | L45 with L55  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/09<br>22:04 |
| L59 | 243 | L55 not (L56 L57 L58)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/09<br>22:04 |
| L60 | 2   | "20040265508"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/09<br>22:04 |
| L61 | 19  | "US 6866901"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT                                | OR | ON  | 2008/11/09<br>22:04 |
| L62 | 10  | ((tantalum ta) (copper cu)<br>(scandium sc) (yttrium y)<br>(lanthanum la) atomic\$5<br>amorph\$5) and L16 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/09<br>22:04 |
| L63 | 1   | barrier and L15   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/11/09<br>22:04 |

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| L64 | 57 | ("20020096768"  <br>"20030057445"  <br>"20030075752"  <br>"20030089943"  <br>"20030118798"  <br>"20030227068"  <br>"20040026119"  <br>"20040195694"  <br>"20050147877"   "4965656"<br>  "5108846"   "5369300"  <br>"5506449"   "5709958"  <br>"5899740"   "6001461"  <br>"6057237"   "6086947"  <br>"6136682"   "6181012"  <br>"6194310"   "6194754"  <br>"6297153"   "6482734"  <br>"6573179"   "6610549"  <br>"6828189"   "6890852"  <br>"6940117"   "6955986").PN.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/09<br>22:04 |
| L65 | 28 | (US-20050070097-\$ or US-<br>20040026119-\$ or US-<br>20030227068-\$ or US-<br>20030089943-\$ or US-<br>20040195694-\$ or US-<br>20030013320-\$ or US-<br>20030003230-\$ or US-<br>20020048635-\$ or US-<br>20020197856-\$ or US-<br>20020187631-\$ or US-<br>20020025675-\$ or US-<br>20040265508-\$ or US-<br>20030035256-\$).did. or (US-<br>6001461-\$ or US-6940117-\$<br>or US-6955986-\$ or US-<br>6828189-\$ or US-6136682-\$<br>or US-5709958-\$ or US-<br>6828218-\$ or US-4720401-\$<br>or US-5824599-\$ or US-<br>6992344-\$ or US-6881669-\$<br>or US-6866901-\$ or US-<br>6950290-\$ or US-6903908-\$<br>or US-6570325-\$).did. | US-PGPUB;<br>USPAT  | OR | ON | 2008/11/09<br>22:04 |
| L66 | 18 | L65 not L64   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/09<br>22:04 |

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